Topography by Alaskan Branch C. F. Fuechsel and J. W. Bagley, GEOLOGIC RECONNAISSANCE MAP OF THE TONSINA DISTRICT, ALASKA Topographic engineers
Control by C. F. Fuechsel
Geodetic position and bench marks from

data by U. S. Coast and Geodetic Survey Surveyed in 1912, 1915, and 1931.

15 Miles Contour interval 200 feet

**EXPLANATION** SEDIMENTARY ROCKS

Sand, gravel, and silt, deposited by streams and lakes, and morainal

deposits

Slate and graywacke, veined with quartz and cut by numerous dikes of porphyritic granite and quartz diorite

Ksg

(Probably in part of Upper Cretaceous age but may include rocks older than Cretaceous)





Altered tuff and lava flows



Undifferentiated Carboniferous (?) rocks, dominantly banded argillite and quartzite, conglomerate, and siliceous sediments; in part tuff and lava flows, all considerably

(Probably chiefly of Mississippian age)

## INTRUSIVE ROCKS



Granitic and porphyritic intrusives, ranging from very basic rocks to quartz diorite and granite. Many dikes and sills intruded into Car-boniferous(?) and Cretaceous(?) rocks are not shown on the map



Lode-gold prospect

Geology by Fred H. Moffit Surveyed in 1932.